Your Contribution for ITUAM Symposium on Model Order Reduction of Coupled Systems

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Abstract This template is to instruct you on preparing your proceeding for the IUTAM Symposium on Model Order Reduction of Coupled Systems. The proceeding will be published in the IUTAM Bookseries by Springer. The article should be 8 to 10 pages in length per contribution, and all papers will be peer-reviewed to ensure a high quality of the ITUAM Bookseries. The submission of full papers is due by July 4, 2018. Full papers will only be published if the work has been presented at the Symposium. In order to submit your full paper files, login in at *http://www.itm.uni-stuttgart.de/iutam2018*. The files have to be provided in a zip archive with a maximum size of 10MB. Further instructions can be found online *https://www.springer.com/in/authors-editors/book-authors-editors/manuscript-preparation/5636*. Each chapter should be preceded by an abstract (10-15 lines long) that summarizes the content. The abstract will appear online at *www.SpringerLink.com* and be available with unrestricted access. This allows unregistered users to read the abstract as a teaser for the complete chapter. As a general rule the abstracts will not appear in the printed version of your book unless it is the style of your particular book or that of the series to which your book belongs.

1 Springer Template

Springer provides macros for MS Word users that help structure the manuscript, e.g., define the heading hierarchy. Please refer to *T1-book.dot* for the add-ins and to *readme-T1-book.pdf* for a documentation. Predefined style formats are available for all the necessary structures that are supposed to be part of the manuscript. This template is only intended to structure the manuscript. It is not intended for the preparation of the final page layout! The final layout will be created by Springer according to their layout specifications. Section 2 helps structuring the heading hierarchy. Section 3 gives examples on figures, lists and tables.

2 Section Heading

Instead of simply listing headings of different levels we recommend to let every heading be followed by at least a short passage of text. Please note that the first line of text that follows a heading will not be indented, whereas the first lines of all subsequent paragraphs will be intended. Use the standard equation environment to typeset your equations, e.g.

$$\boldsymbol{M}^i = \boldsymbol{h}_a^i = \boldsymbol{h}_\omega^i + \boldsymbol{h}_e^i + \boldsymbol{h}_g^i + \boldsymbol{h}_p^i + \boldsymbol{h}_d^i \ .$$

2.1 Subsection Heading

Instead of simply listing headings of different levels we recommend to let every heading be followed by at least a short passage of text. Please note that the first line of text that follows a heading will not be indented, whereas the first lines of all subsequent paragraphs will be intended.

2.1.1 Subsubsection Heading

Instead of simply listing headings of different levels we recommend to let every heading be followed by at least a short passage of text. Please note that the first line of text that follows a heading will not be indented, whereas the first lines of all subsequent paragraphs will be intended.

Paragraph Heading

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Subparagraph Heading

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3. Figures

An examples of a figure can be bound in Fig 1. A resolution of 300dpi for pictures and 600dpi for line art is suggested, 1px-wide lines in figures should be avoided as they may become invisible in print. There is no limit on the amount of figures as long as the total length of the paper is within the specified limit. Figures should be centered on the page.

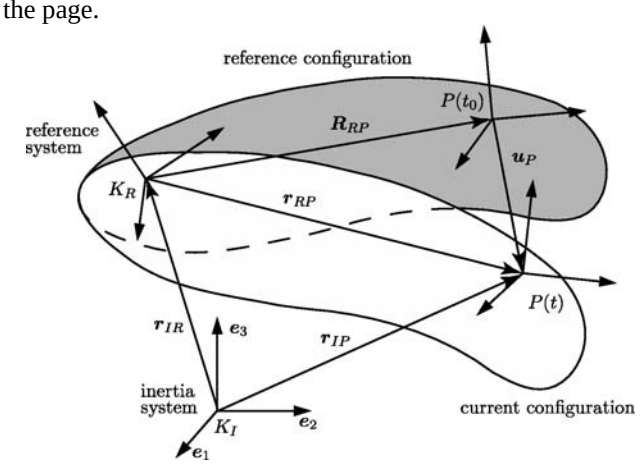

Fig. 1. Example of a figure and its caption.

3.1 Lists

This is a list.

- Item 1
- Item 2

3.1.1 Tables

This is a table.

Table 1: Example of a table

T11	T12	T12	T14
T21	T22	T23	T24

Acknowledgments Here are the Acknowledgements.

References should be sorted in alphabetical order as shown below, where [1] exemplifies the case of a textbook, while [2] is an article in a journal and [3] is an article in conference proceedings.

References

[1] Antoulas, A.C.: Approximation of Large-Scale Dynamical Systems. Philadelphia: SIAM, 2005.

[2] Mikkola, A.M.; Shabana, A.A.: A Non-Incremental Finite Element Procedure for the Analysis of Large Deformation of Plates and Shells in Mechanical System Applications. Multibody System Dynamics, Vol. 9, No. 3, pp. 283-309, 2003.

[3] Seifried, R.; Schiehlen, W.: Computational Analysis and Experimental Investigations of Impacts in Multibody Systems. In P. Eberhard (Ed.) IUTAM Symposium on Multiscale Problems in Multibody System Contacts, pp. 269-280, Springer 2007.